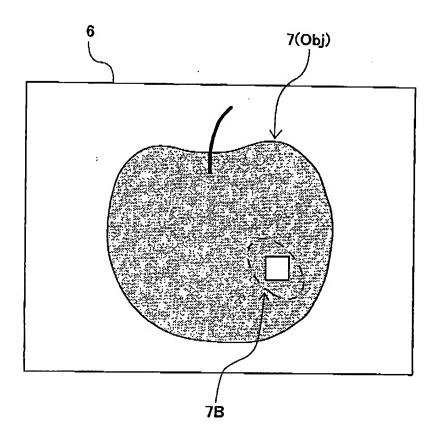
NO. 7708 P. 274

Oblon, Spivak, et al. 703-413-3000 Docket # 283622US90PCT Sheet 1 of 102 !)

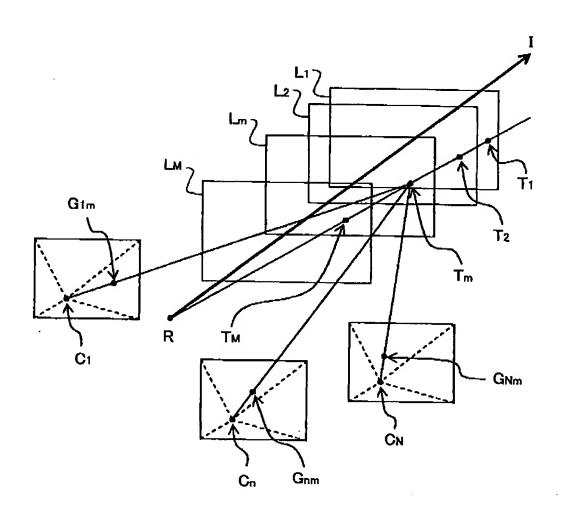
FIG.1



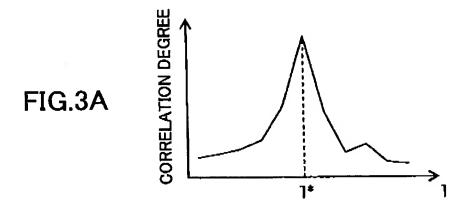
BEST AVAILABLE COPY

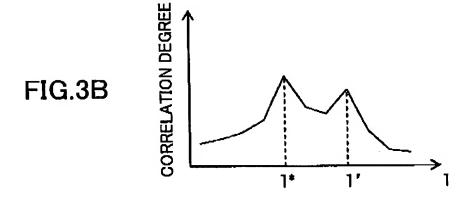
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FIG.2



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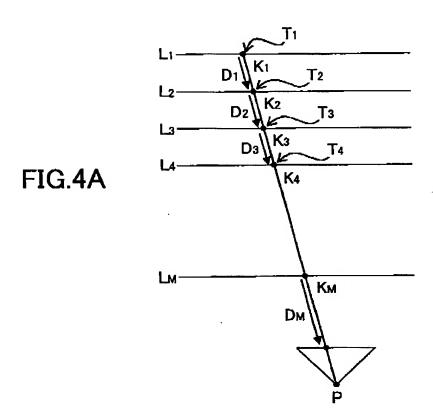
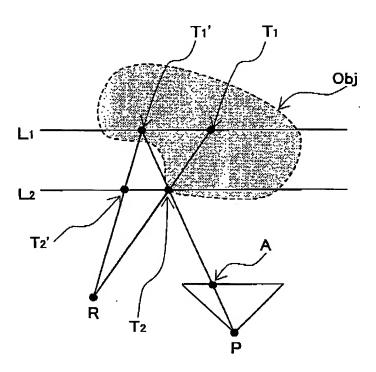


FIG.4B α_{m} $1-\alpha_{m}$ K_{m}

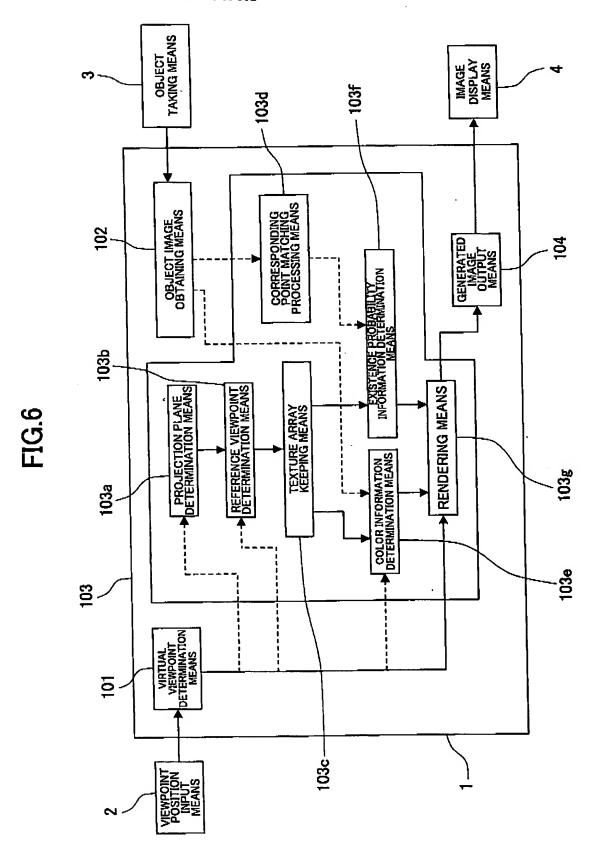
Oblon, Spivak, et al. 703-413-3000 Docket # 283622US90PCT Sheet 5 of 102

FIG.5



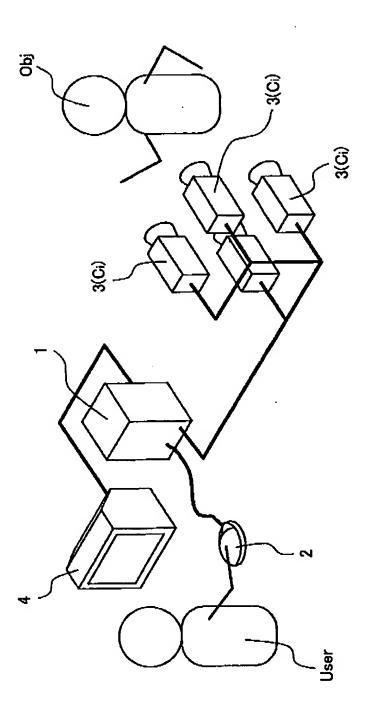
BEST AVAILABLE COPY

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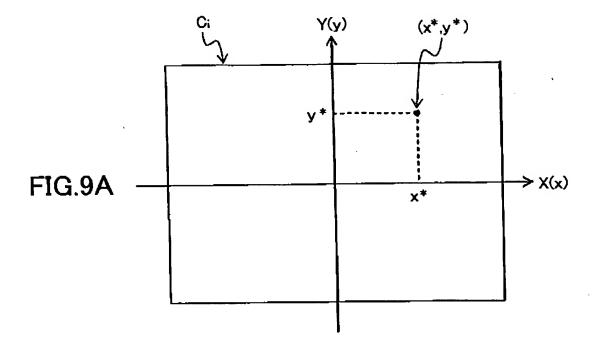
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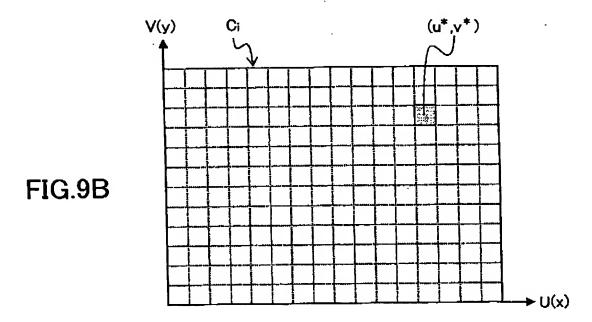
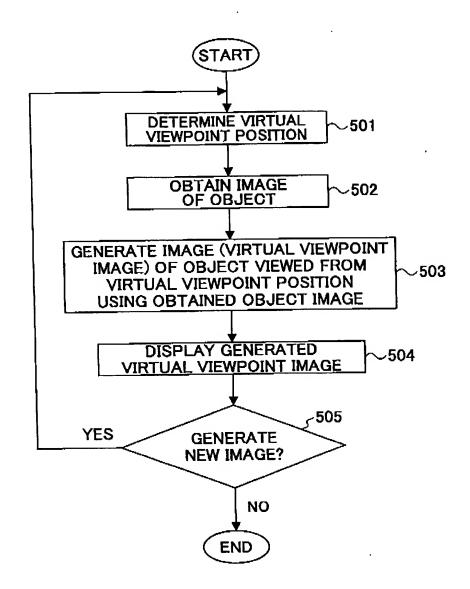
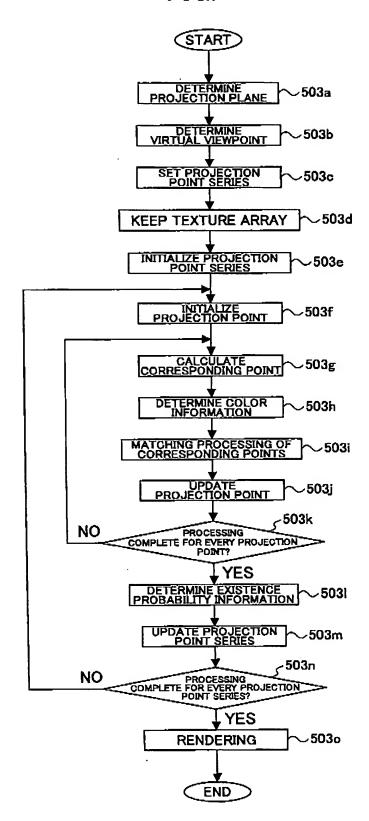


FIG.10



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FIG.11



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FIG.12

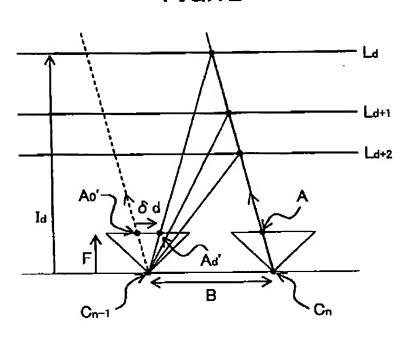
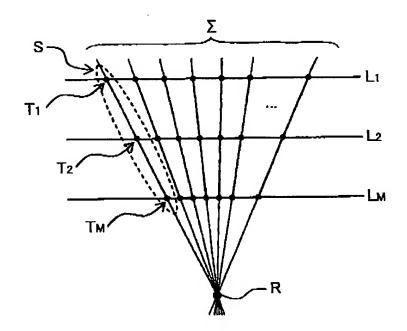


FIG.13



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FIG.14

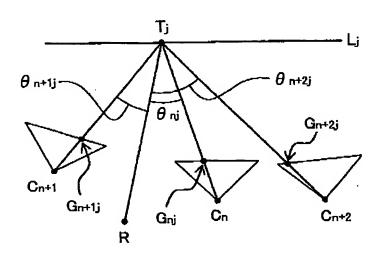
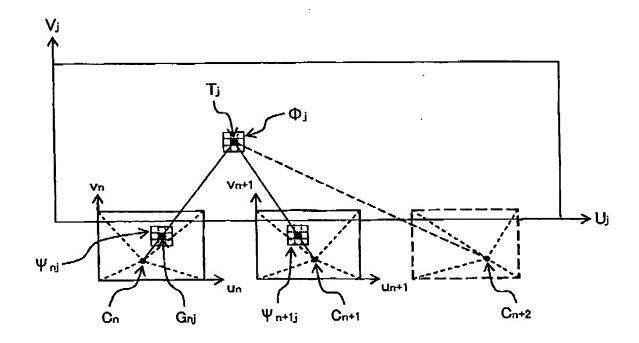
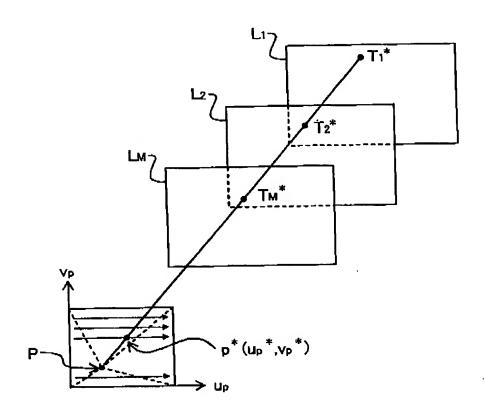


FIG.15



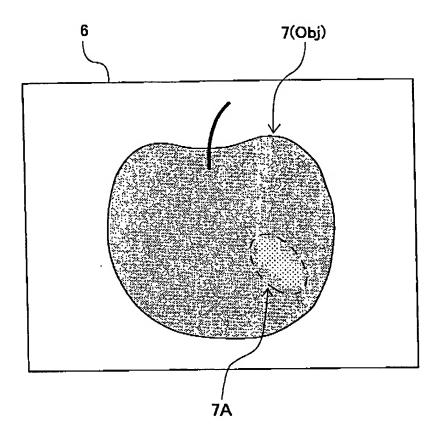
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FIG.16



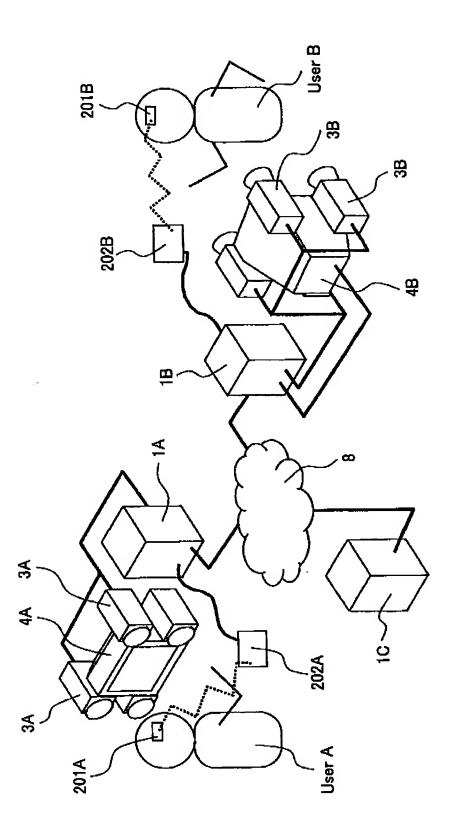
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FIG.17



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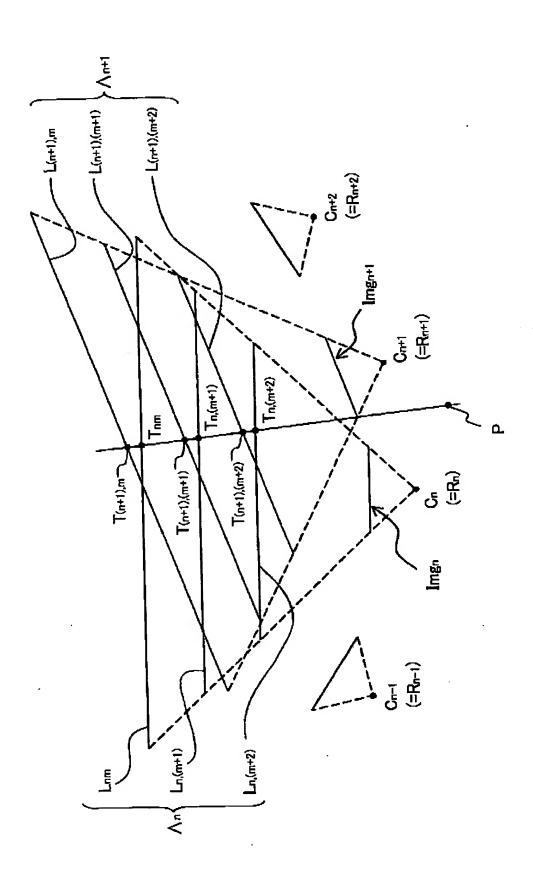
FIG. 18



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FIG.19A DETERMINE EXISTENCE PROBABILITY INFORMATION **503**1 DETERMINE TRANSPARENCY INFORMATION √503p UPDATE PROJECTION POINT SERIES \sim 503m FIG.19B START j≐M √5031p $\alpha M = \beta M$ √5032p 5033p j=j-1 ~5034p NO α +1≠1? YES ~5035p ~5036p **β** j $\alpha_j =$ $\alpha = 1$ M П $(1-\alpha_m)$ m=j+1 5037p NO j=1? YES **END**

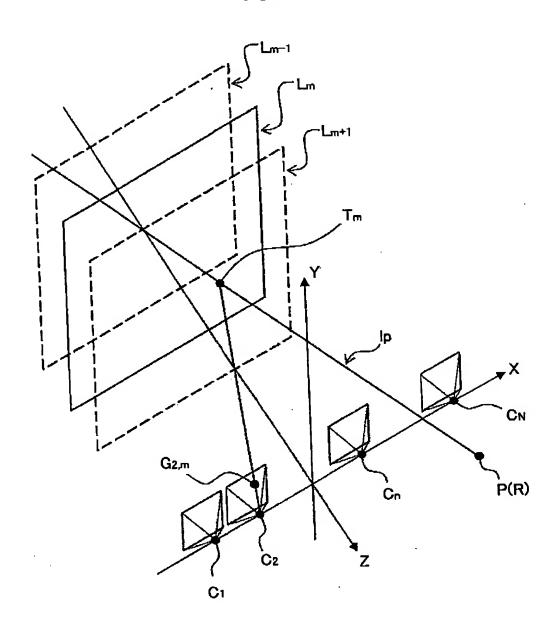
ITOH INTERNATIONAL PATENT OFFICE Oblon, Spivak, et al. 703-413-3000 Docket # 283622US90PCT Sheet 18 of 102



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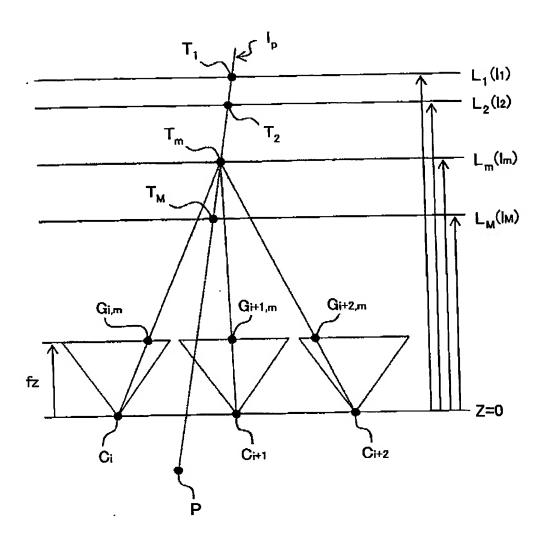
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FIG.21



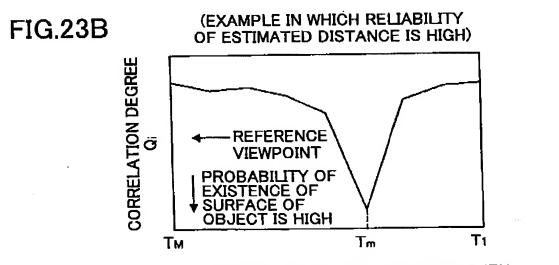
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FIG.22



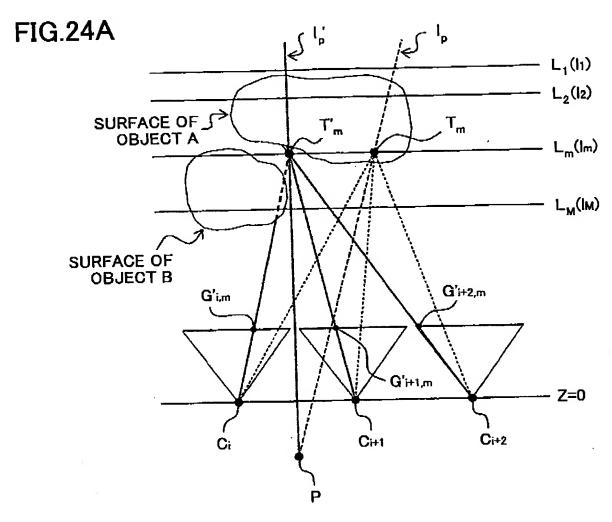
Oblon, Spivak, et al. 703-413-3000 Docket # 283622US90PCT Sheet 21 of 102

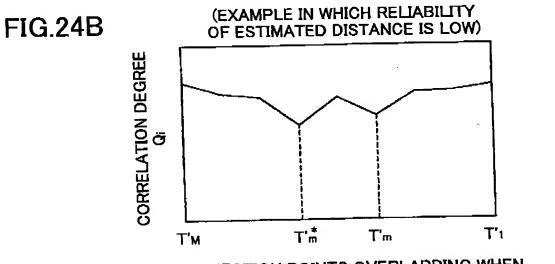
SURFACE OF T_m T₂ L₁(ln) L₂(lz) L_m(lm) L_M(lm) C_i C_{i+1} C_{i+2} Z=0



PROJECTION POINTS OVERLAPPING WHEN VIEWED FROM THE REFERENCE VIEWPOINT T;

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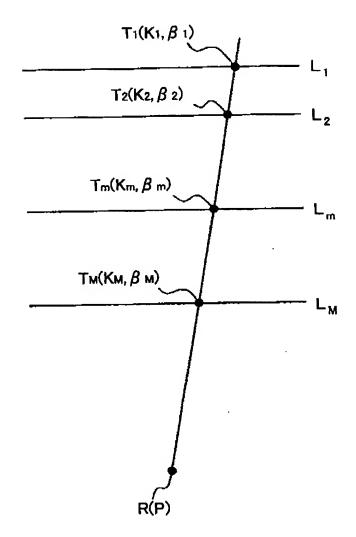




PROJECTION POINTS OVERLAPPING WHEN VIEWED FROM THE REFERENCE VIEWPOINT T';

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FIG.25



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FIG.26A

EVACUATION REFERENCE

FROM Q_j

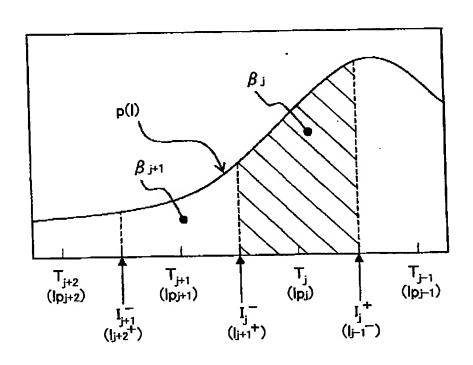
T_M
(IpM)

T_j
(Ipj)

T_{j-1}
(Ipj-1)
(Ipj-1)

PROJECTION PLANE T (DISTANCE ID: TO PROJECTION PLANE)

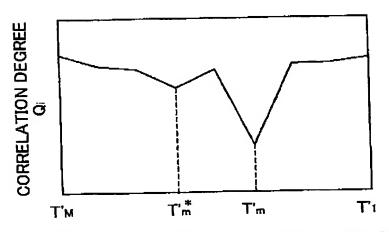
FIG.26B



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FIG.27A الح ال L₁(l₁) L2(12) SURFACE OF JOBJECT A $T_{\mathbf{m}}$ T_{m} $L_{m}(I_{m})$ L_M(iM) SURFACE OF **OBJECT B** G'i+2,m G'i+1,m Z=0 Ci+2 Ci+1 Ci

FIG.27B

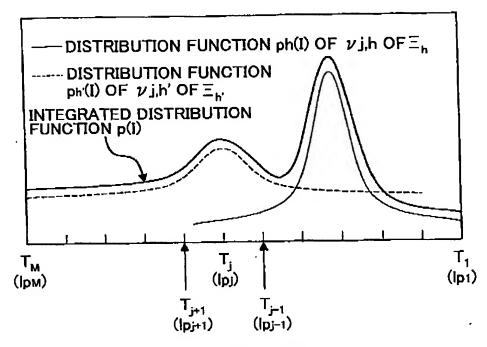


PROJECTION POINTS OVERLAPPING WHEN VIEWED FROM THE REFERENCE VIEWPOINT T';

NO. 7708 P. 299

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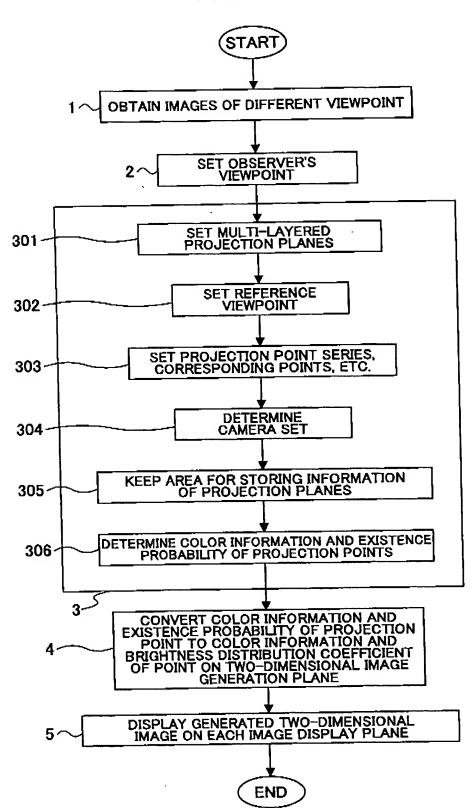
FIG.28



PROJECTION PLANE T (DISTANCE ID TO PROJECTION PLANE)

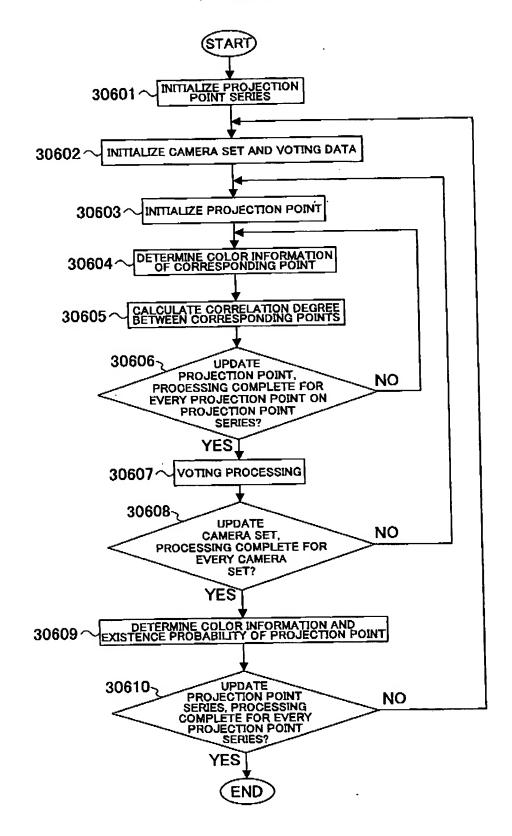
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FIG.29



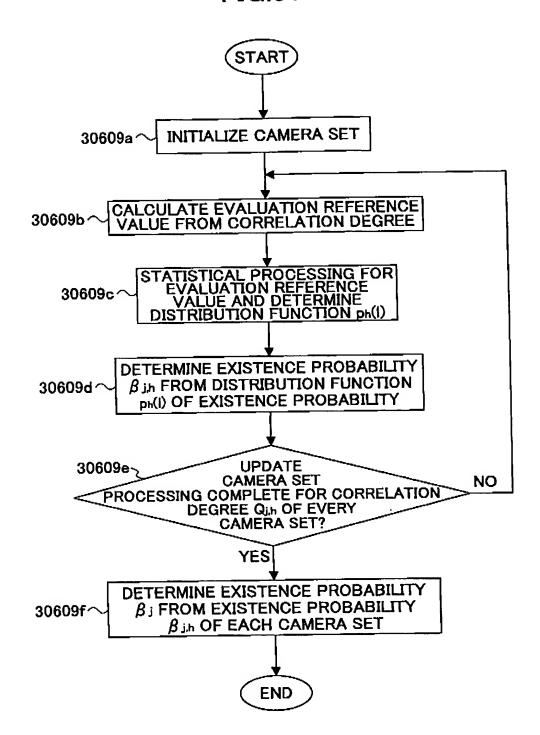
Oblon, Spivak, et al. 703-413-3000 Docket # 283622US90PCT Sheet 28 of 102

FIG.30



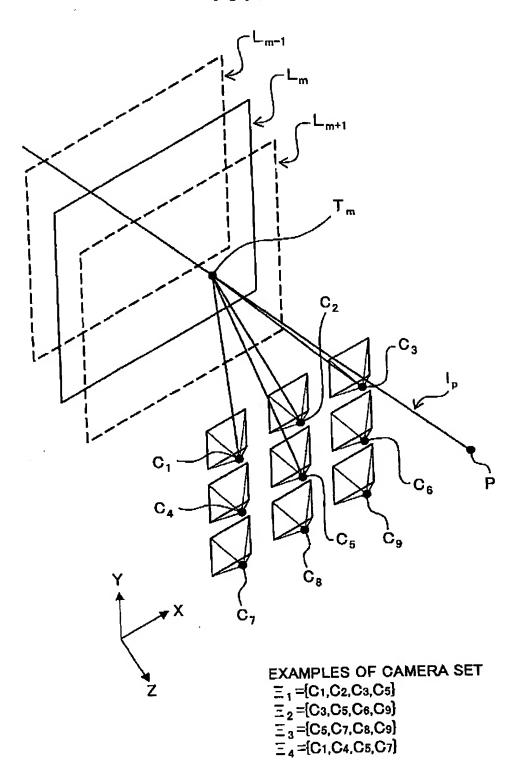
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FIG.31



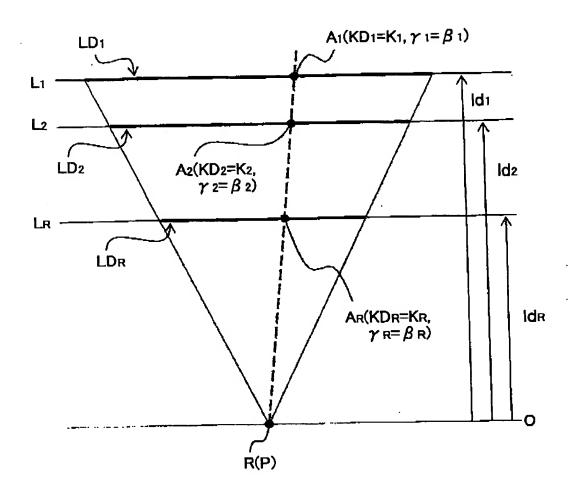
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FIG.32



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FIG.33



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FIG.34A

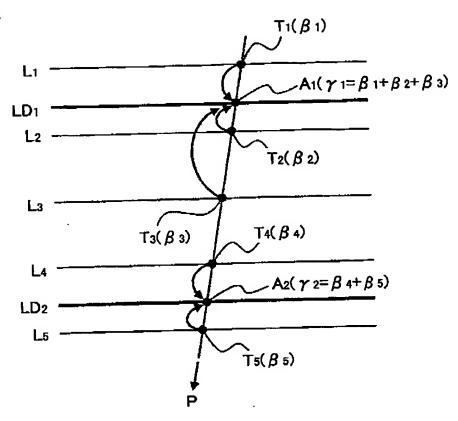
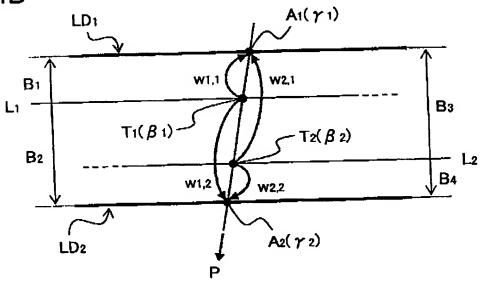
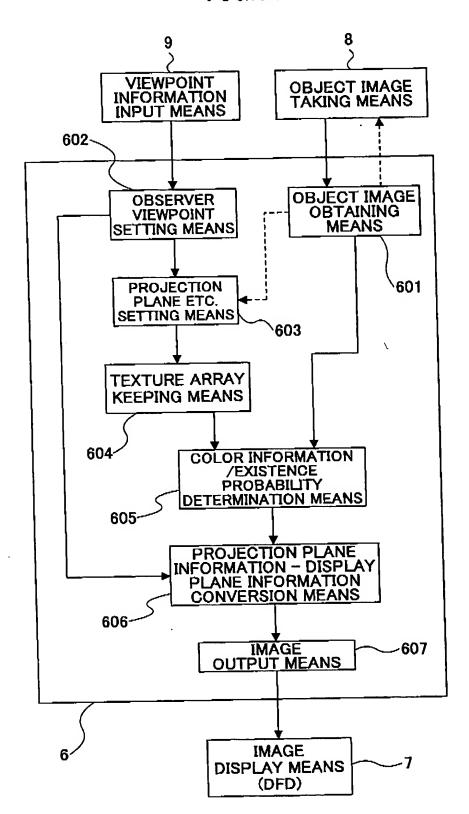


FIG.34B



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FIG.35

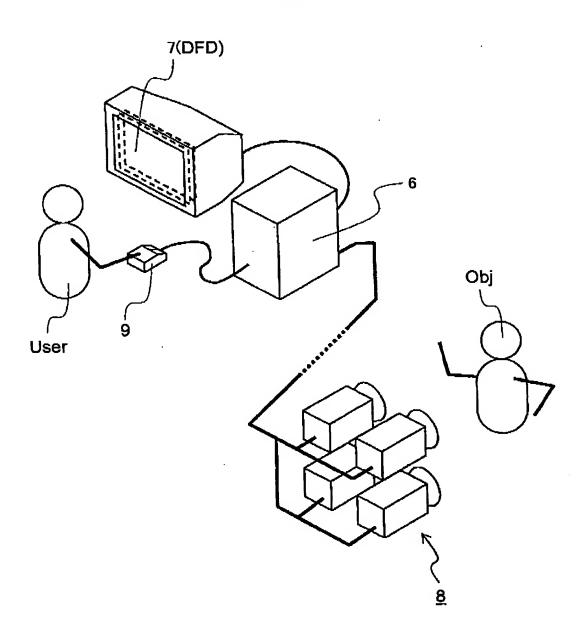


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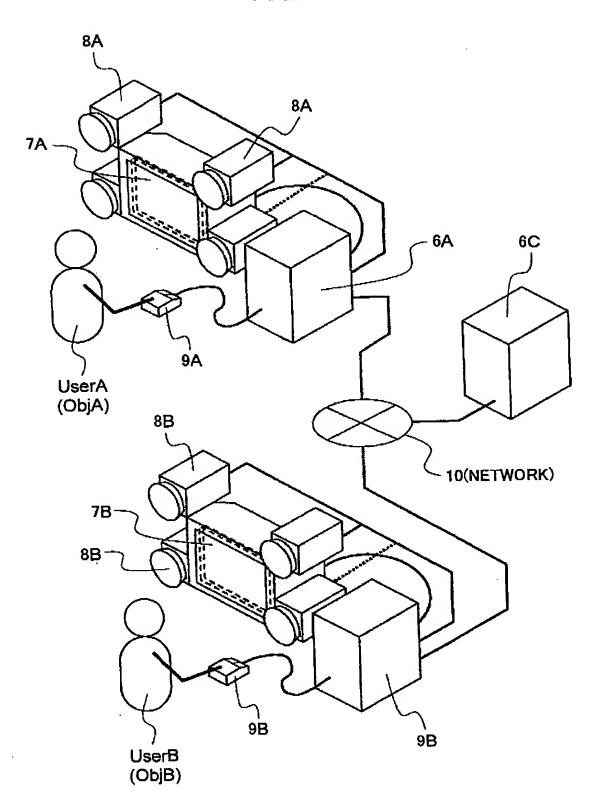
NO. 7708 P. 307

FIG.36



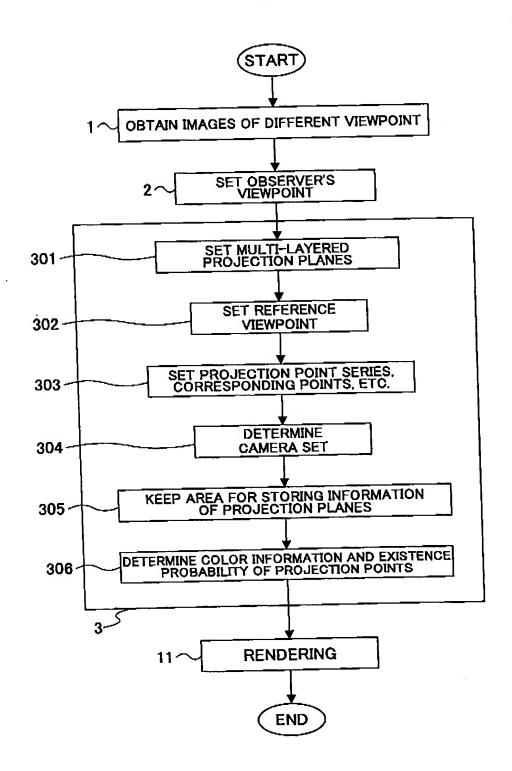
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FIG.37



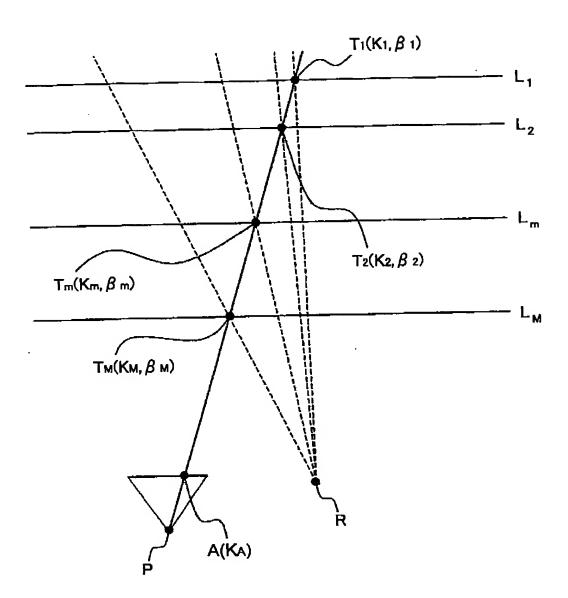
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FIG.38



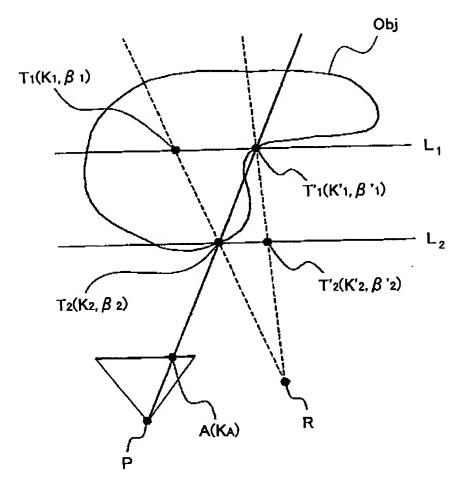
2005年12月16日 22時51分 ITOH INTERNATIONAL PATENT OFFICE Oblon, Spivak, et al. 703-413-3000 Docket # 283622US90PCT Sheet 37 of 102

FIG.39



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FIG.40



$$\beta_1 \cong 0$$
, $\beta_2 \cong 1$
 $\beta_1 \cong 1$, $\beta_2 \cong 0$

 $K_A = \beta '_1 K'_1 + \beta _2 K_2 = K'_1 + K_2$

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FIG.41A

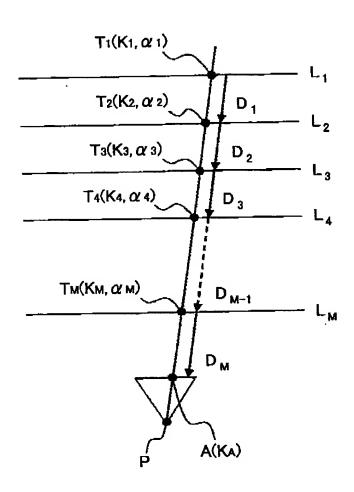
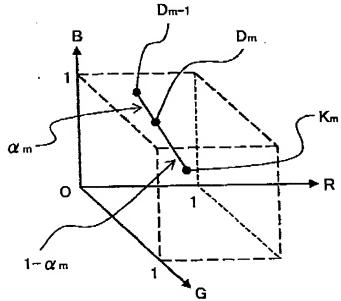
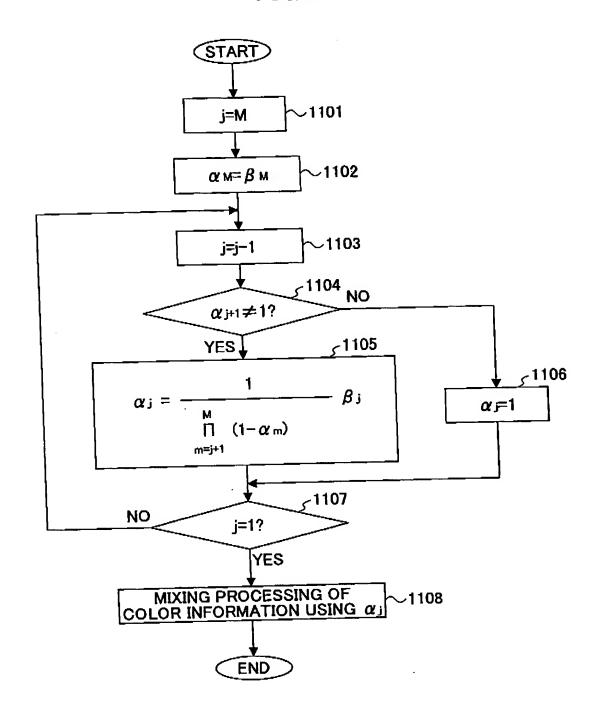


FIG.41B

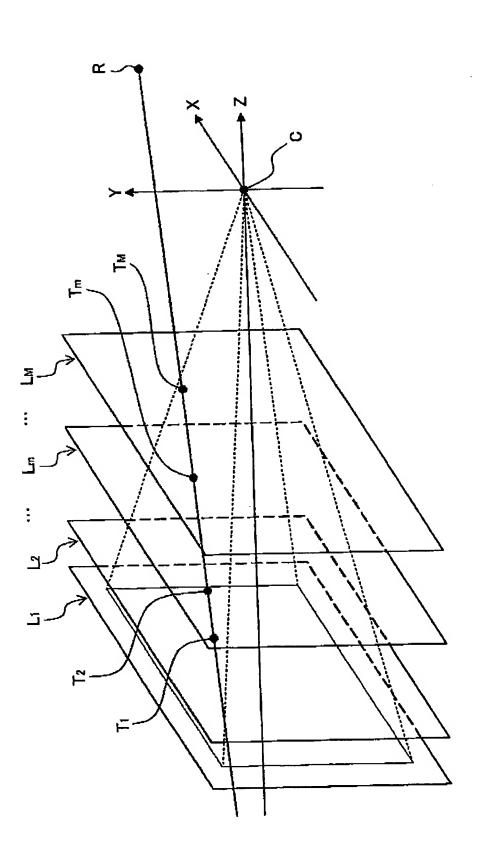


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FIG.42



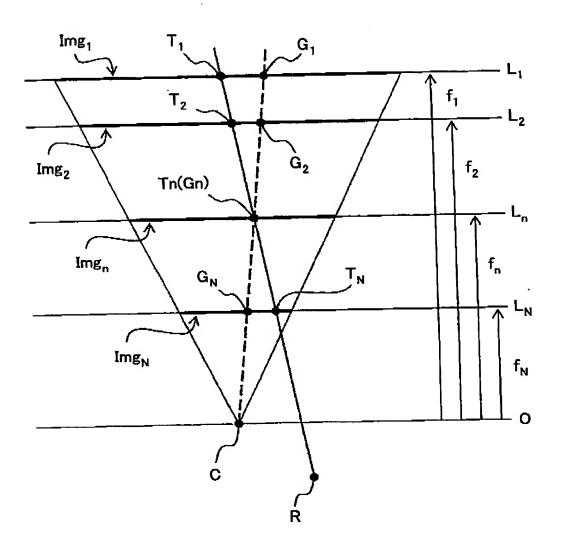
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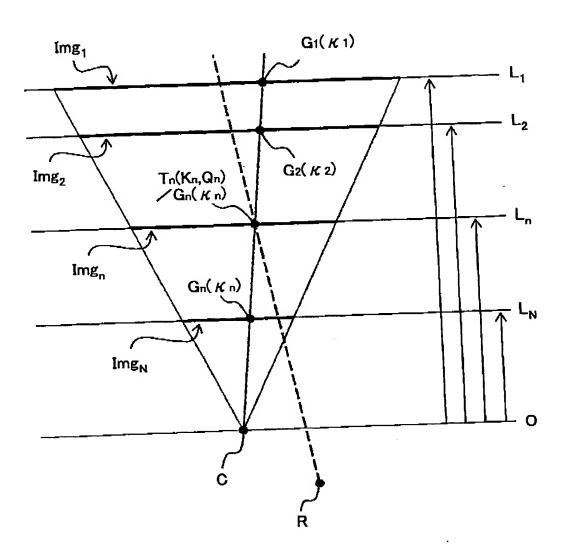
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FIG.44



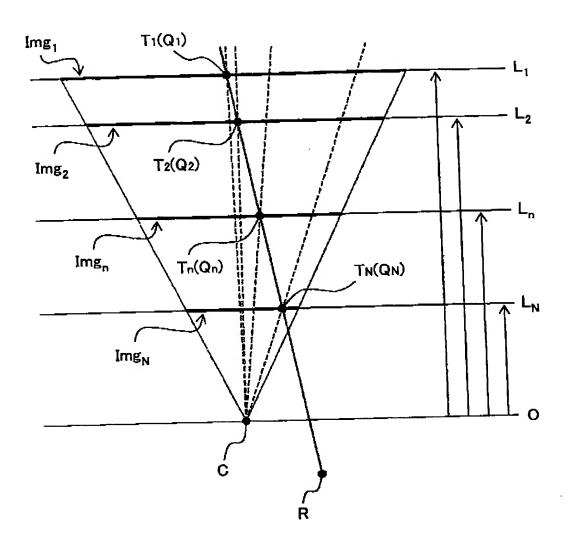
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FIG.45



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FIG.46



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FIG.47A

(EXAMPLE IN WHICH RELIABILITY OF ESTIMATED DISTANCE IS HIGH)

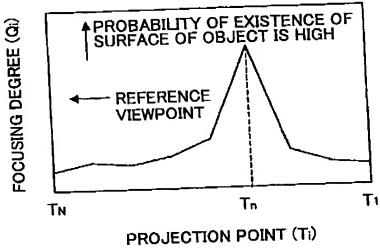
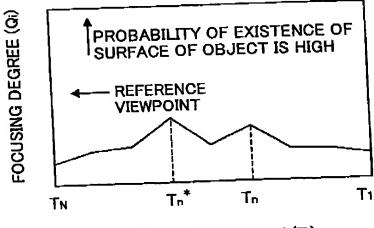


FIG.47B

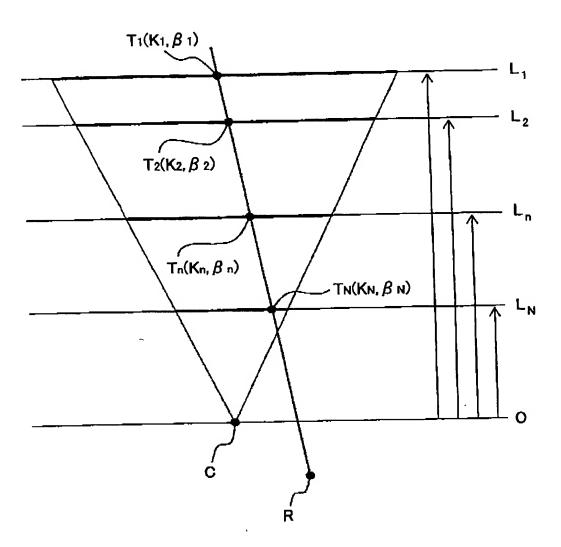
(EXAMPLE IN WHICH RELIABILITY OF ESTIMATED DISTANCE IS LOW)



PROJECTION POINT (Ti)

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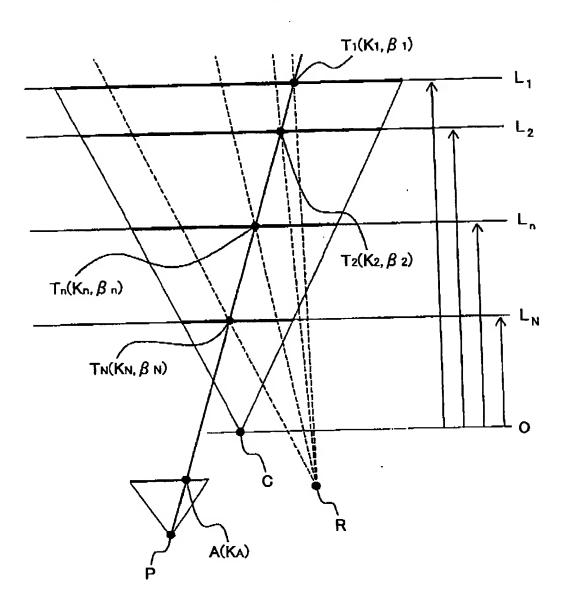
FIG.48



NO. 7708 P. 320

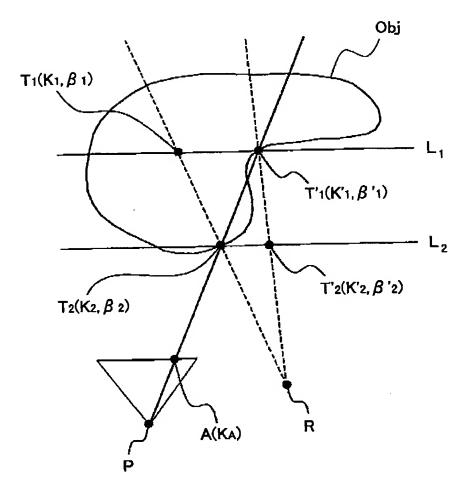
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FIG.49



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FIG.50



β 1≅0, $\beta_2 \cong 1$ β'1≅1, β'2≅0

 $K_A = \beta'_1K'_1 + \beta_2K_2 = K'_1 + K_2$

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FIG.51A

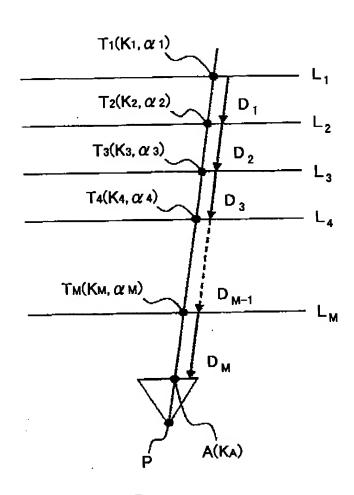
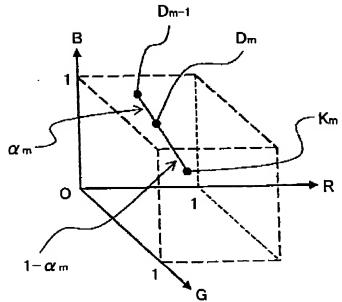
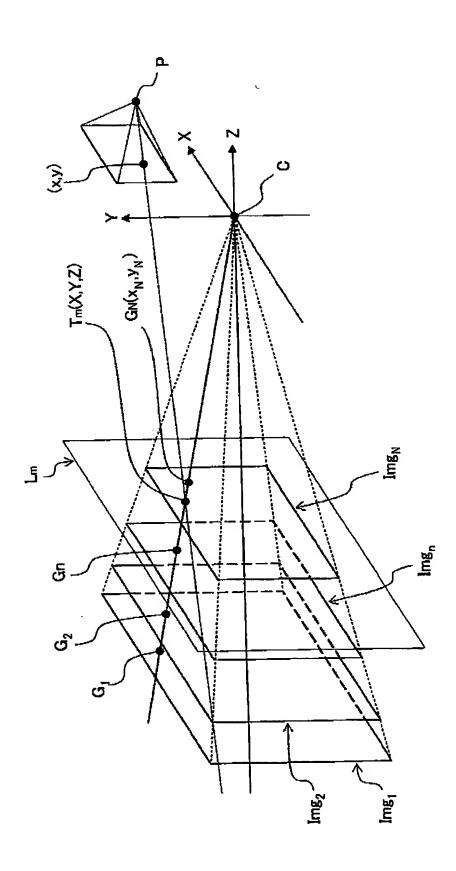


FIG.51B



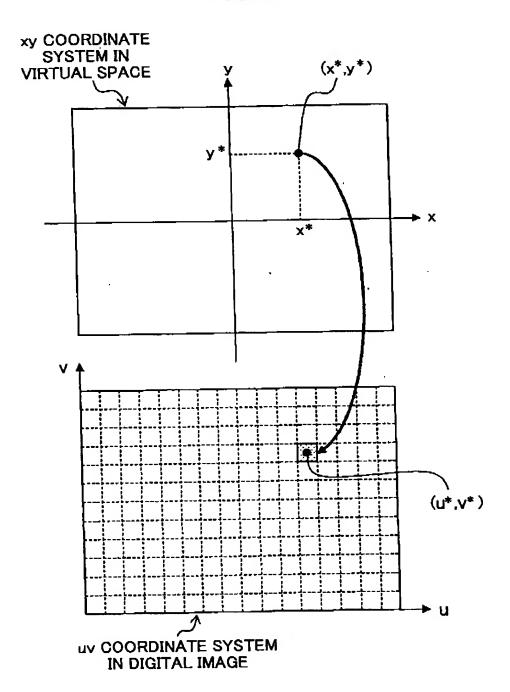
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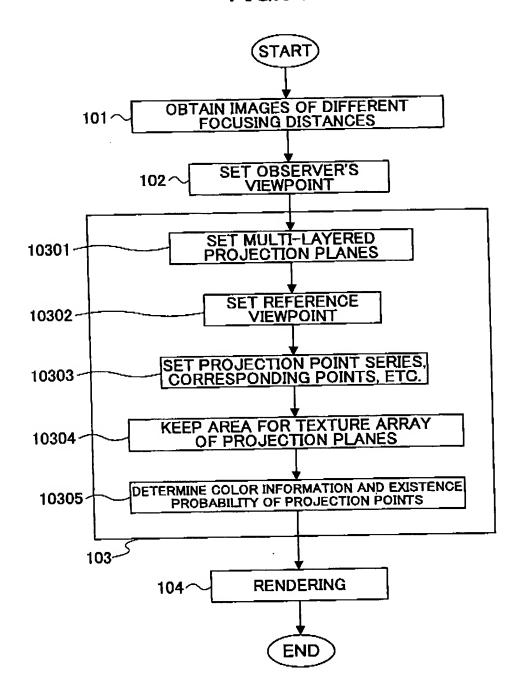
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FIG.53



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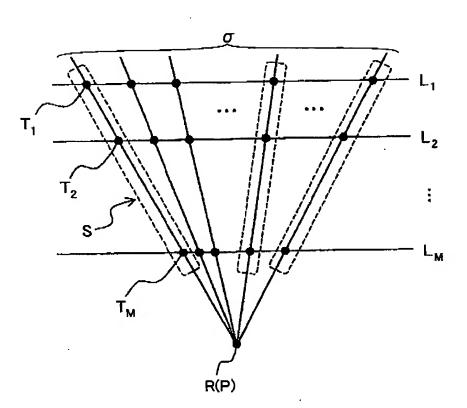
FIG.54



NO. 7708 P. 326

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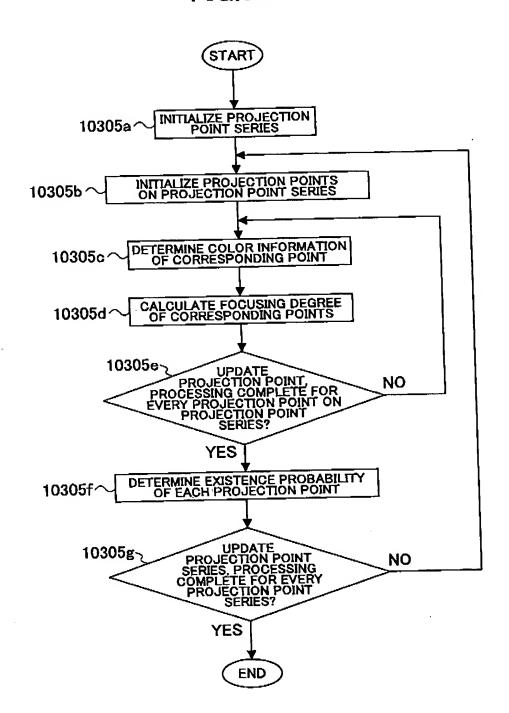
FIG.55



NO. 7708 P. 327

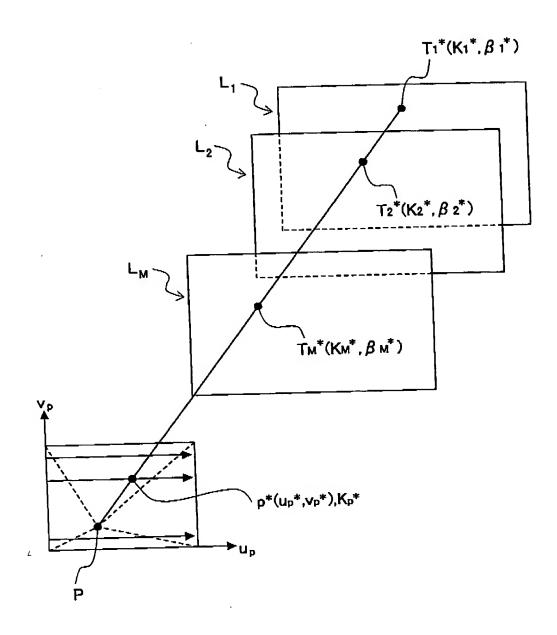
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FIG.56



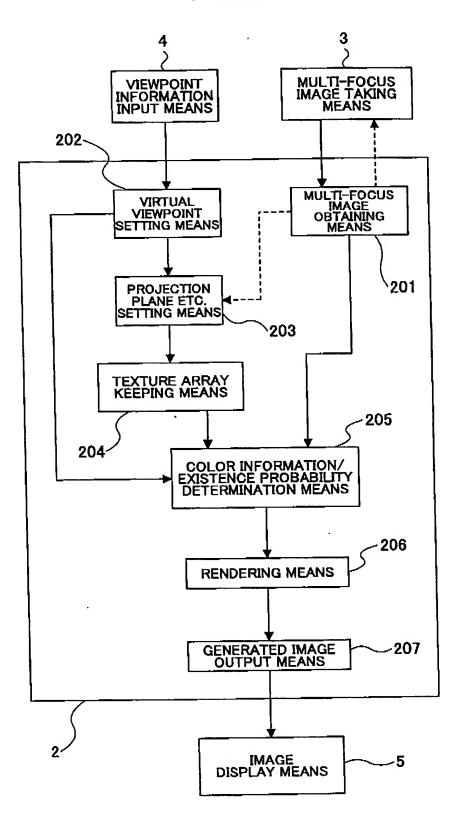
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FIG.57



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FIG.58



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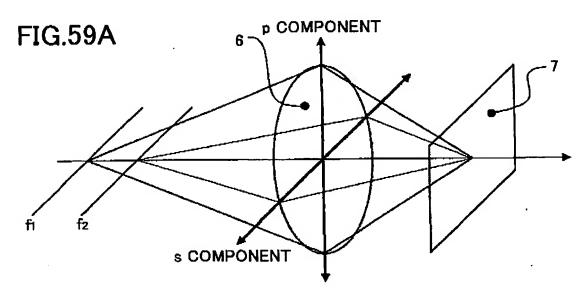


FIG.59B

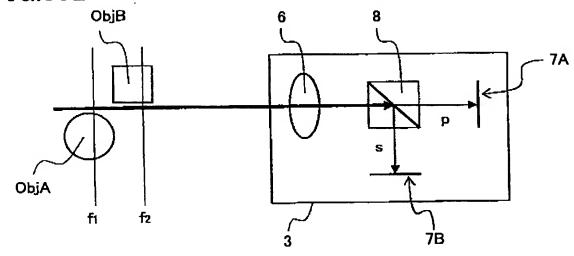
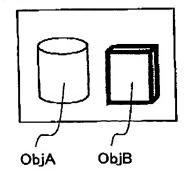
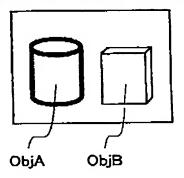


FIG.59C

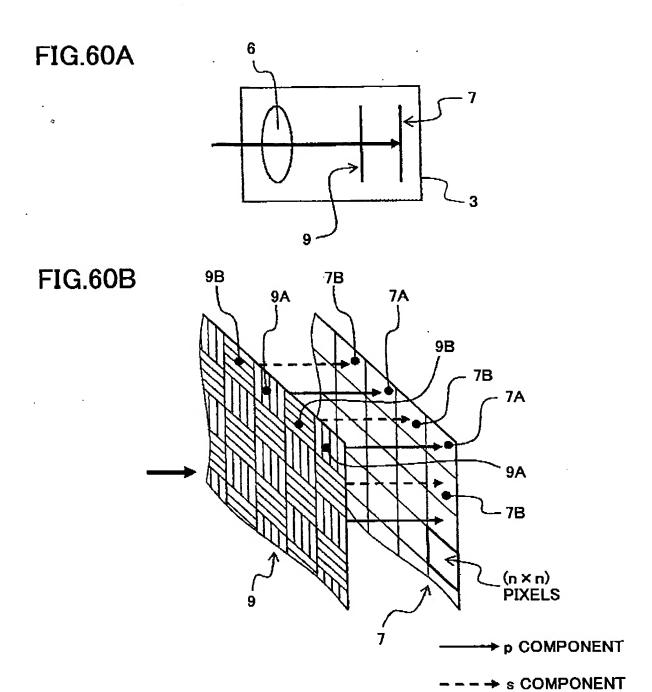
(IMAGE OF p COMPONENT)



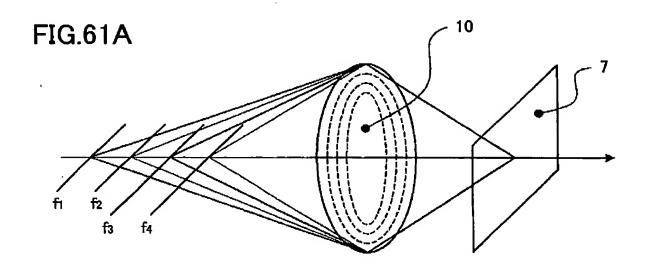
(IMAGE OF s COMPONENT)



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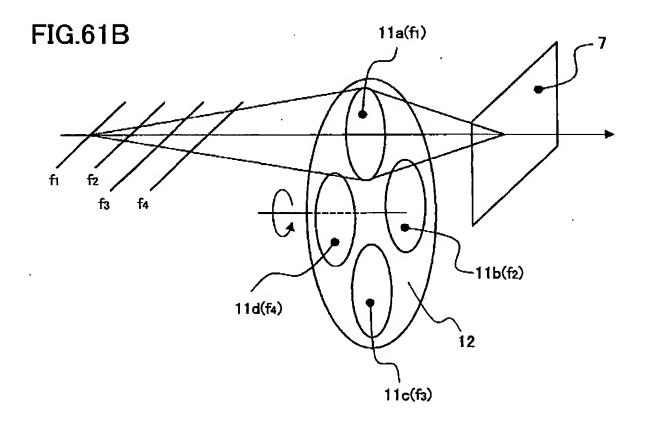
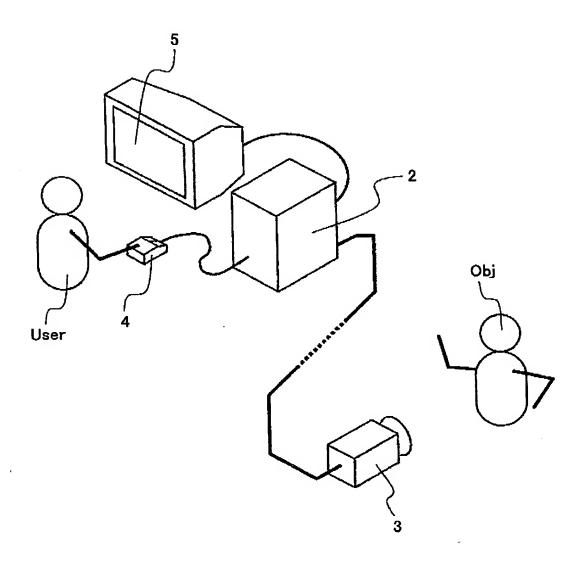


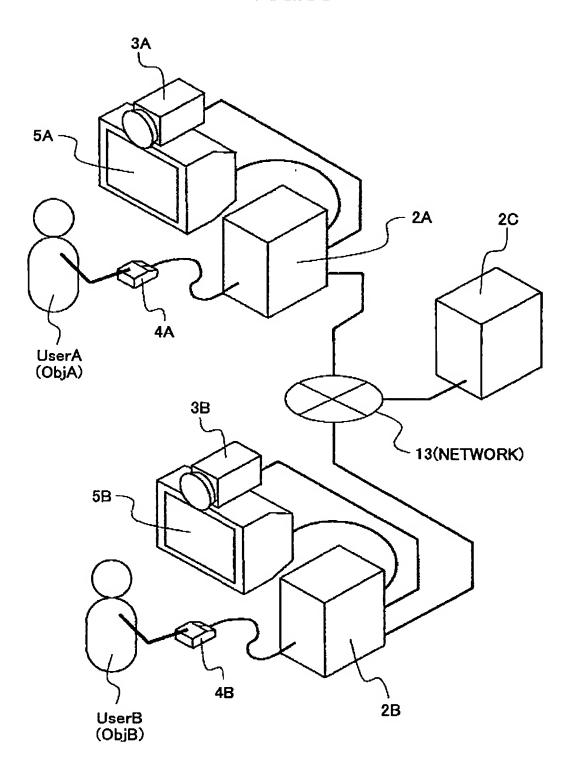
FIG.62



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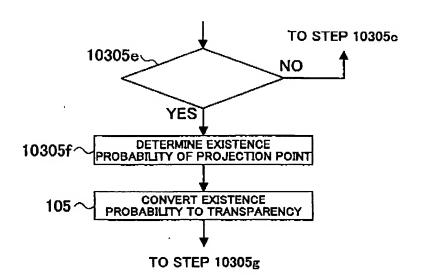
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FIG.63



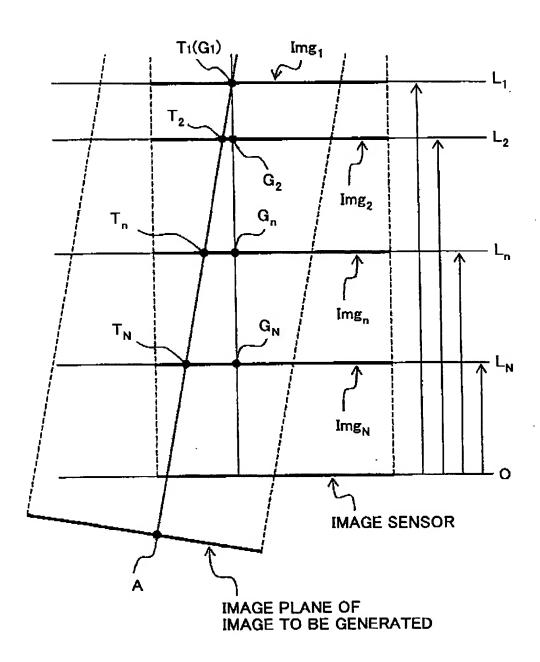
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FIG.64



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FIG.65

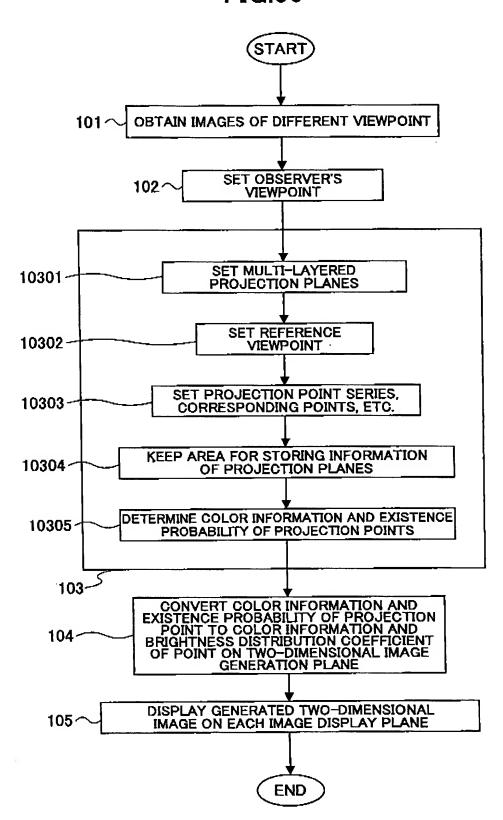


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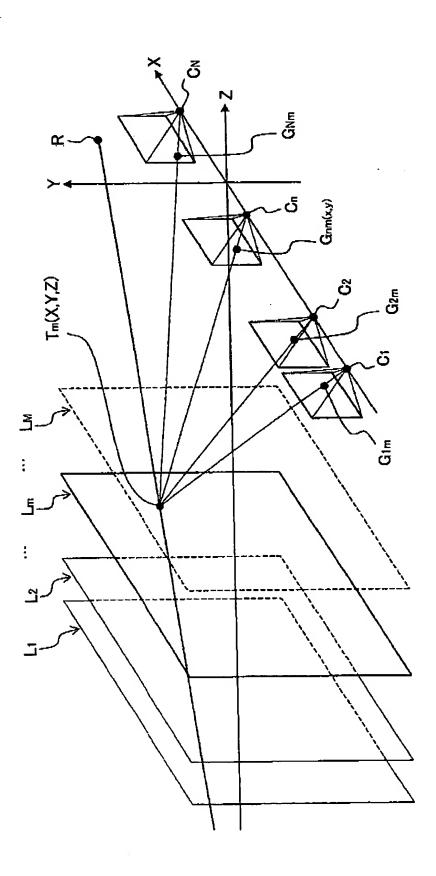
Þ

FIG.66

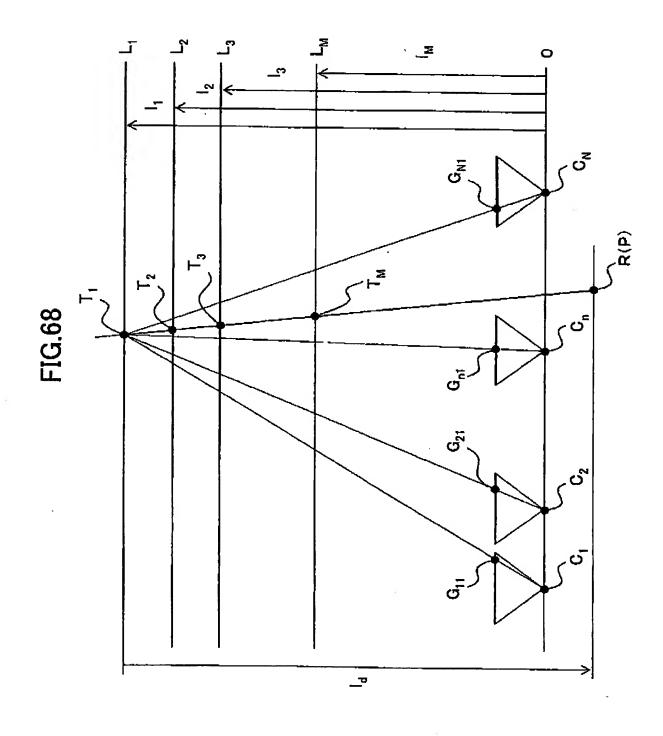


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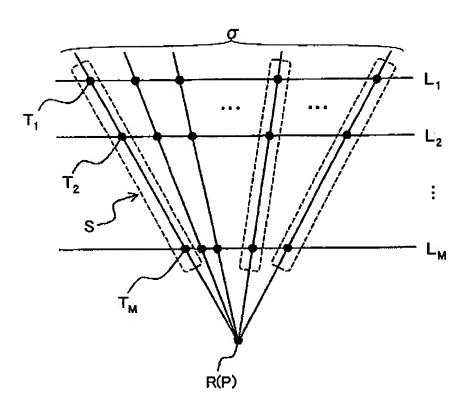


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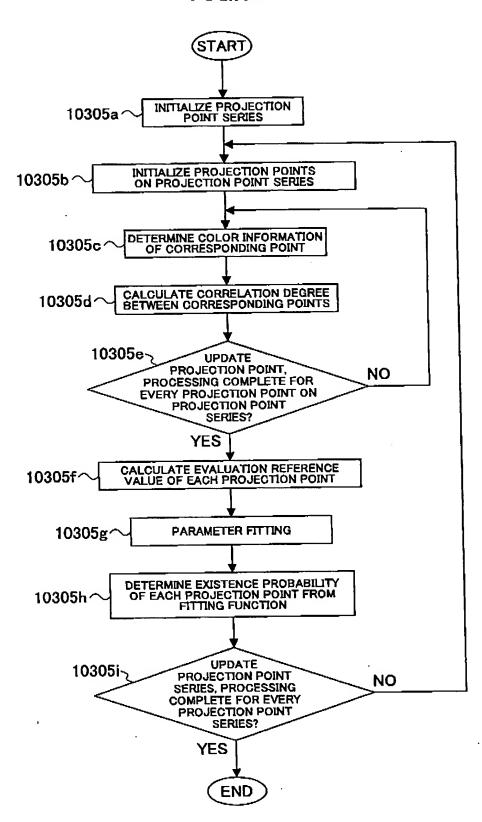
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FIG.69



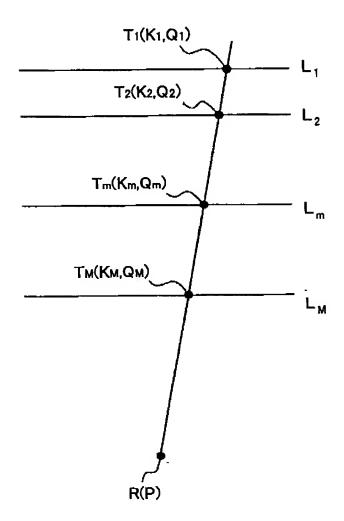
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FIG.70



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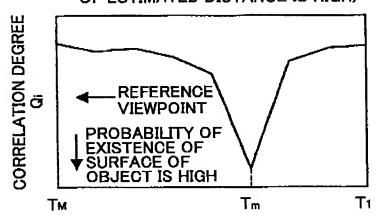
FIG.71



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FIG.72A

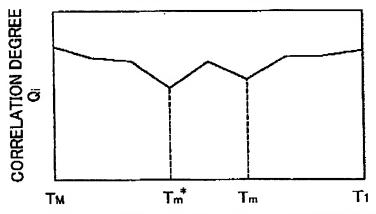
(EXAMPLE IN WHICH RELIABILITY OF ESTIMATED DISTANCE IS HIGH)



PROJECTION POINTS OVERLAPPING WHEN VIEWED FROM REFERENCE VIEWPOINT T

FIG.72B

(EXAMPLE IN WHICH RELIABILITY OF ESTIMATED DISTANCE IS LOW)



PROJECTION POINTS OVERLAPPING WHEN VIEWED FROM REFERENCE VIEWPOINT To

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FIG.73A • : ν j OBTAINED FROM Qj EVALUATION REFERENCE VALUE ν --p(l) T₁ (lp1) T_j (lpj) T_M (lpM) T_{j-1} (lpj-1) T_{j+1} (lp_{j+1})

PROJECTION PLANE T (DISTANCE IP TO PROJECTION PLANE)

FIG.73B

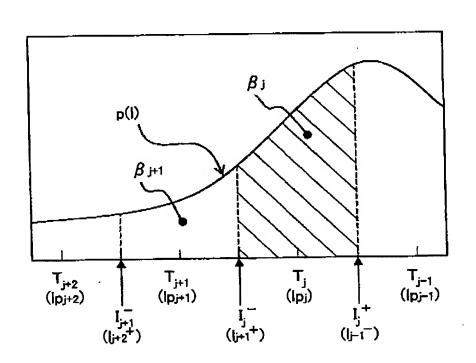
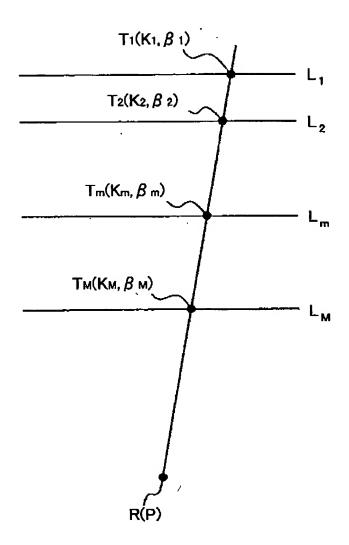
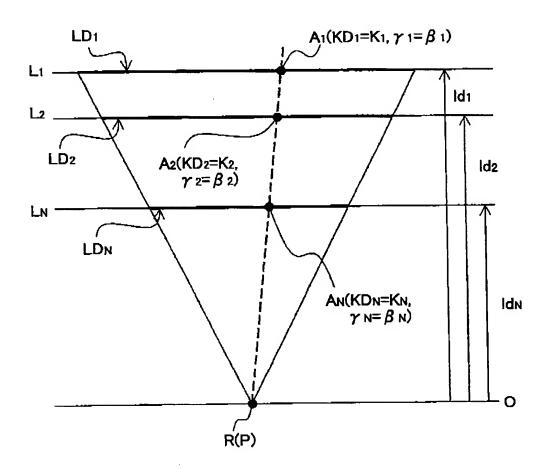


FIG.74



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FIG.75

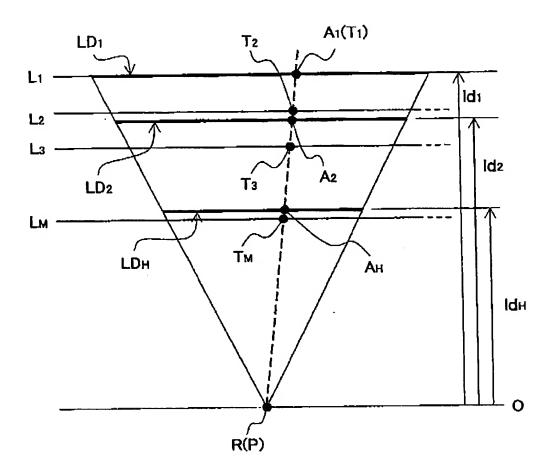


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FIG.76



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FIG.77A

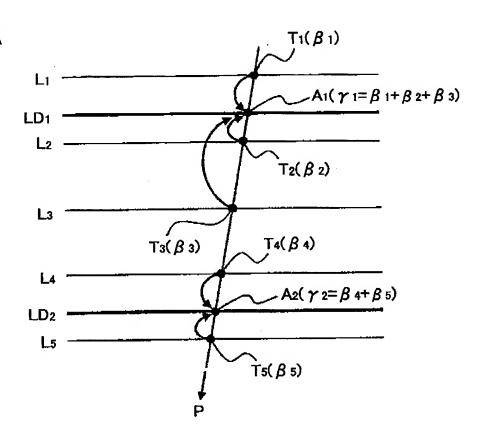
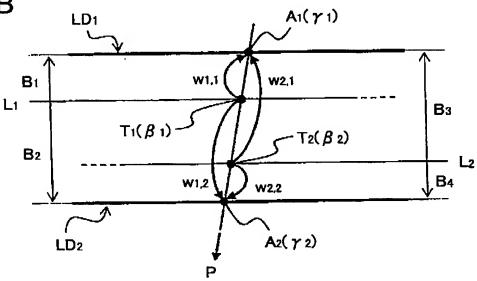
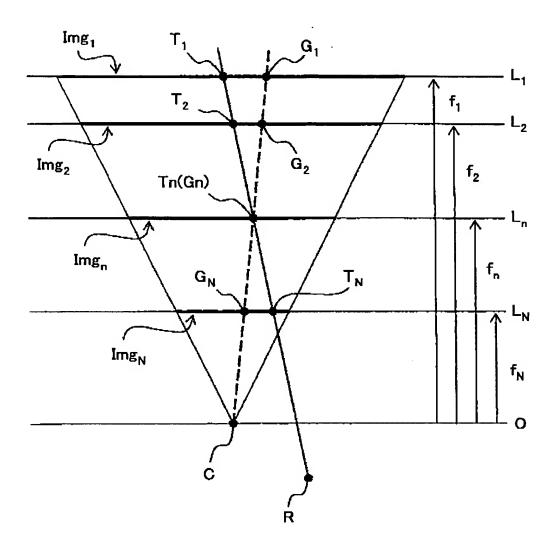


FIG.77B



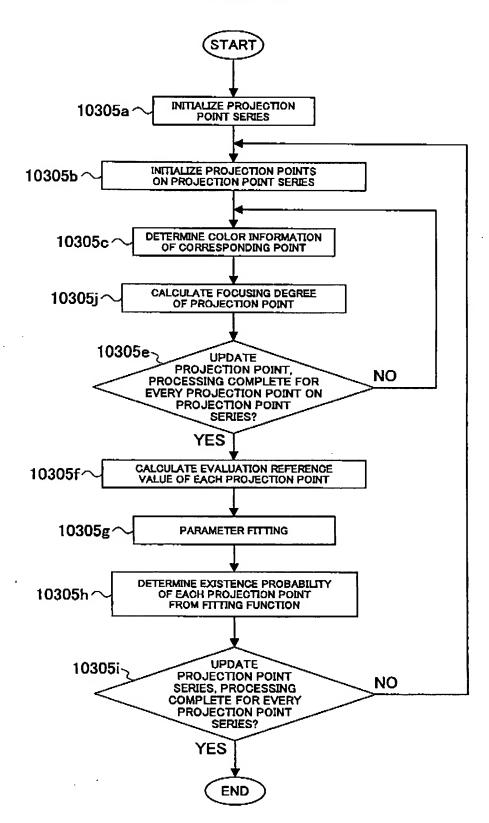
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FIG.78



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FIG.79



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FIG.80

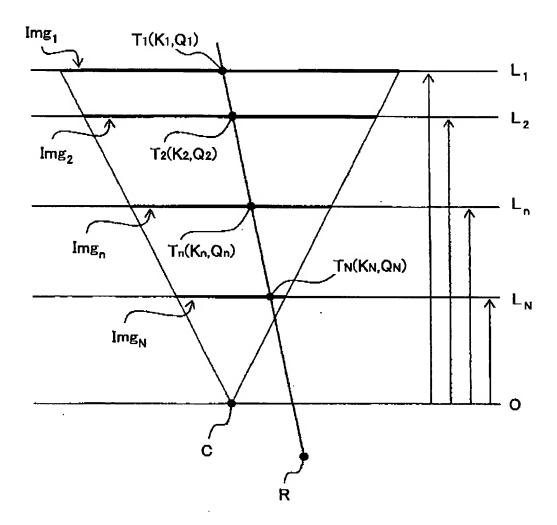
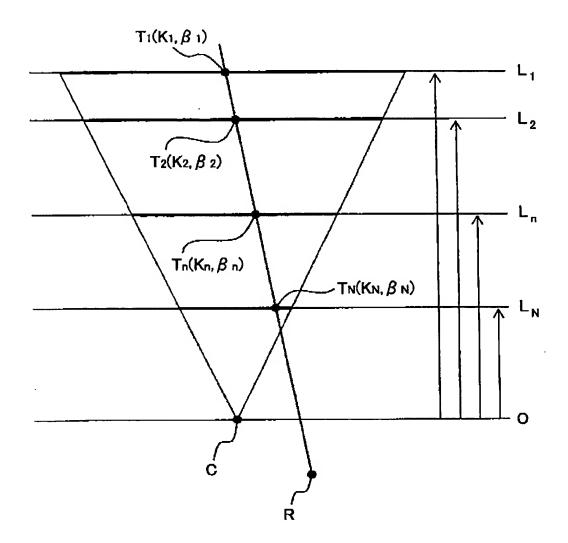
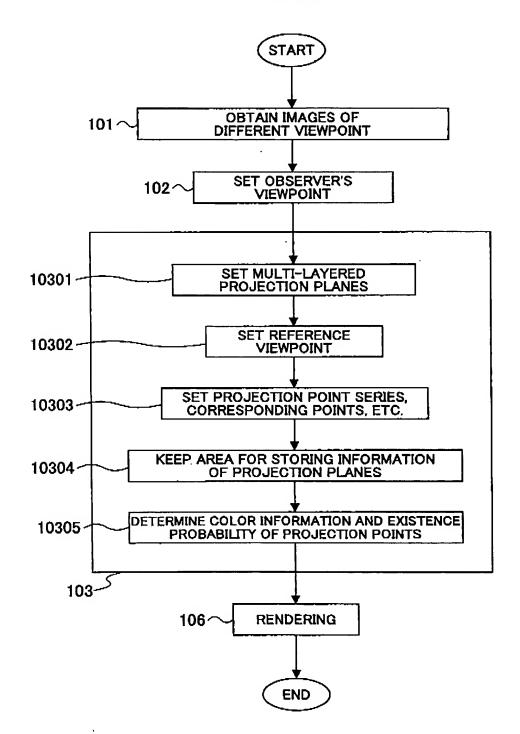


FIG.81



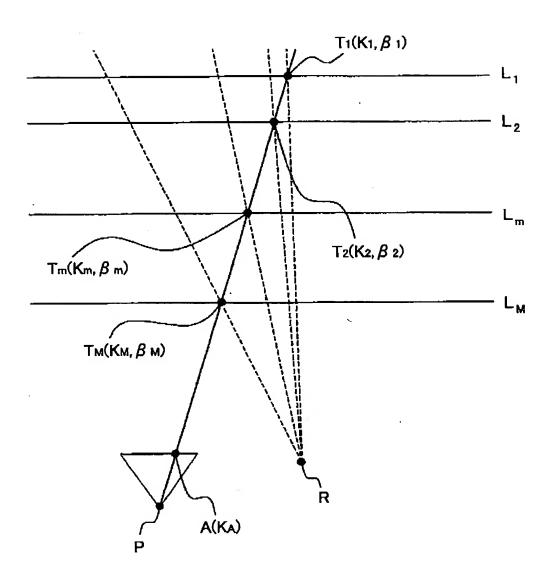
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FIG.82



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FIG.83



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FIG.84A

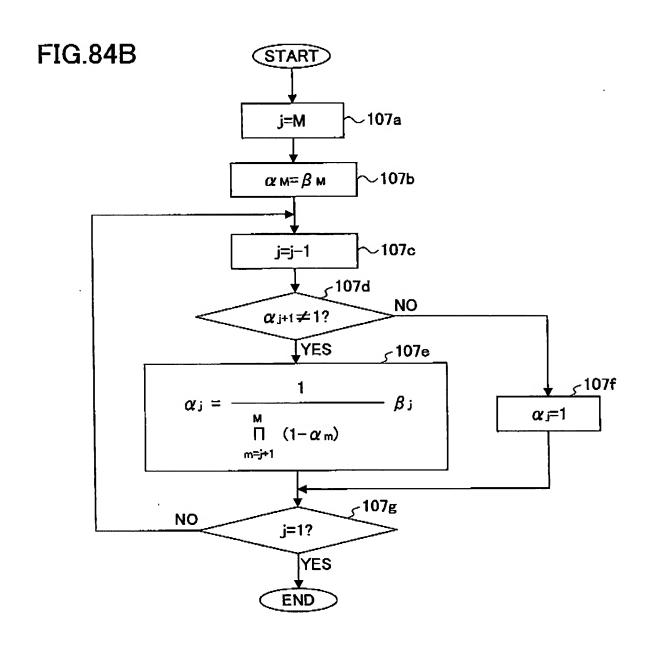
DETERMINE EXISTENCE PROBABILITY

β j OF PROJECTION POINT Tj

CONVERT EXISTENCE PROBABILITY

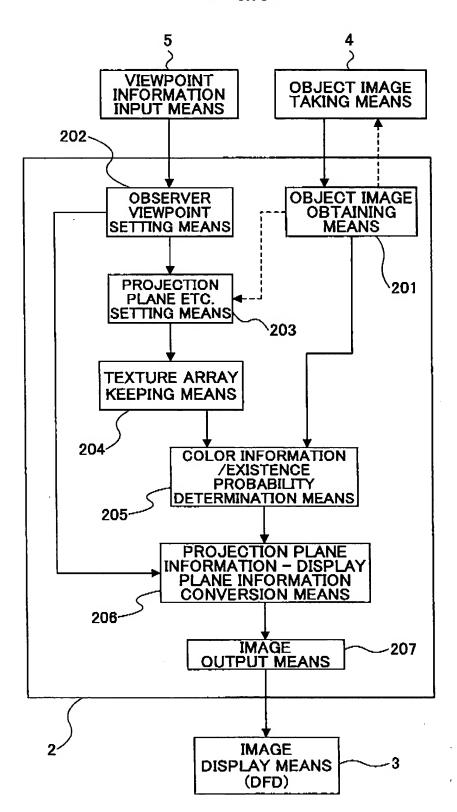
β j TO TRANSPARENCY α j

TO STEP 10305i



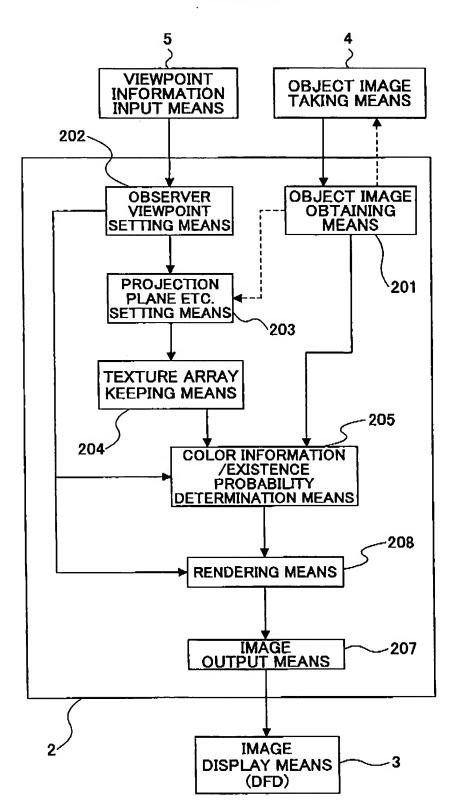
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FIG.85



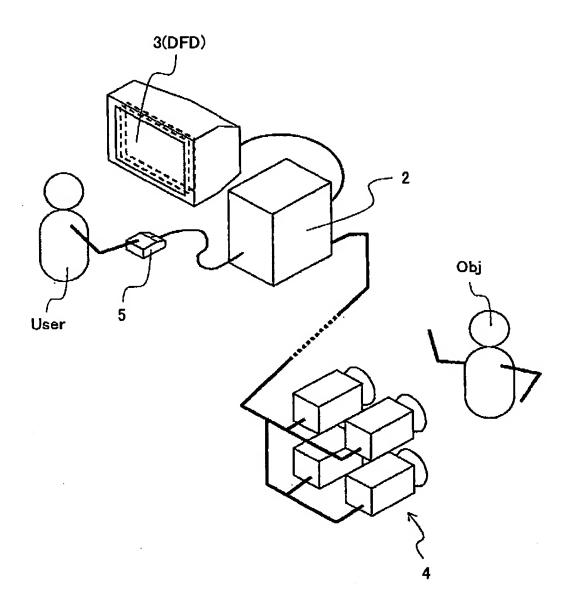
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FIG.86



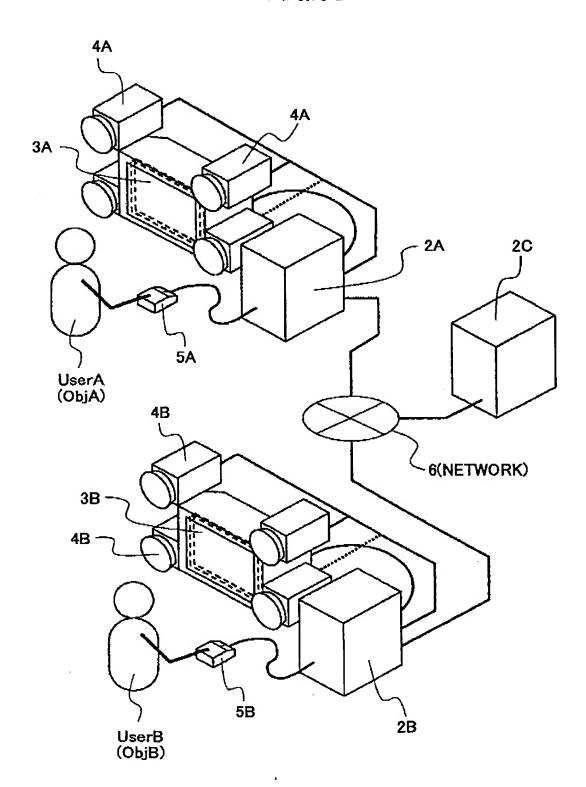
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FIG.87



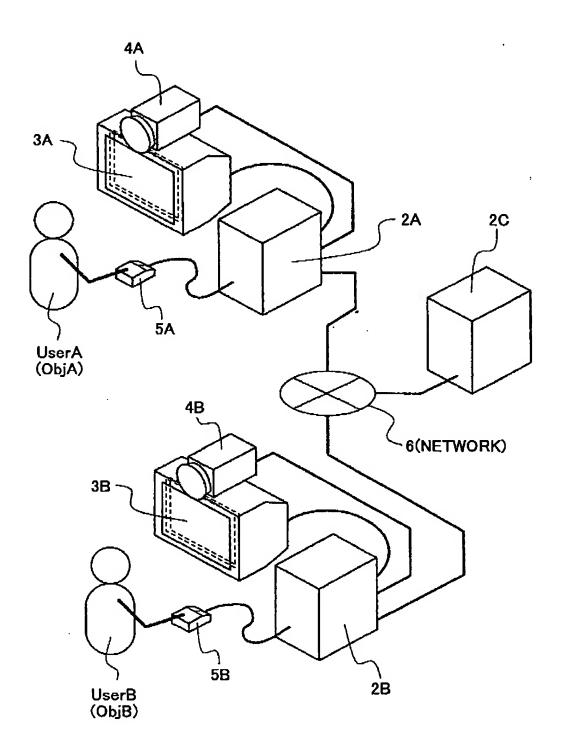
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FIG.88



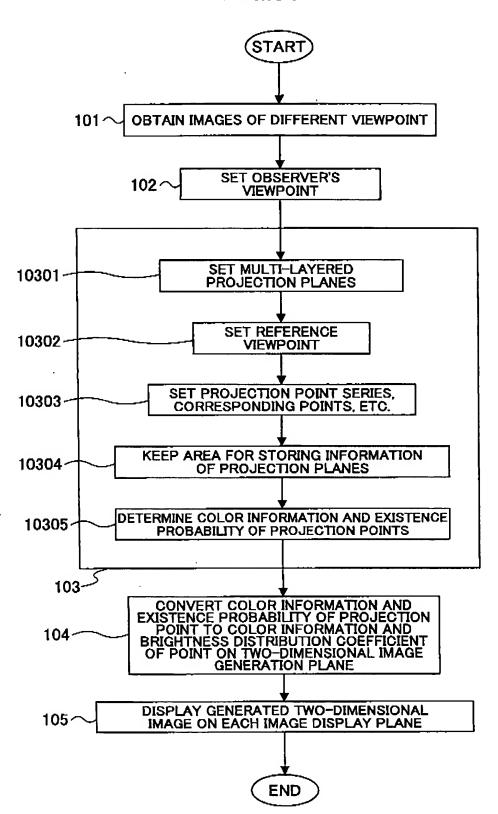
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FIG.89

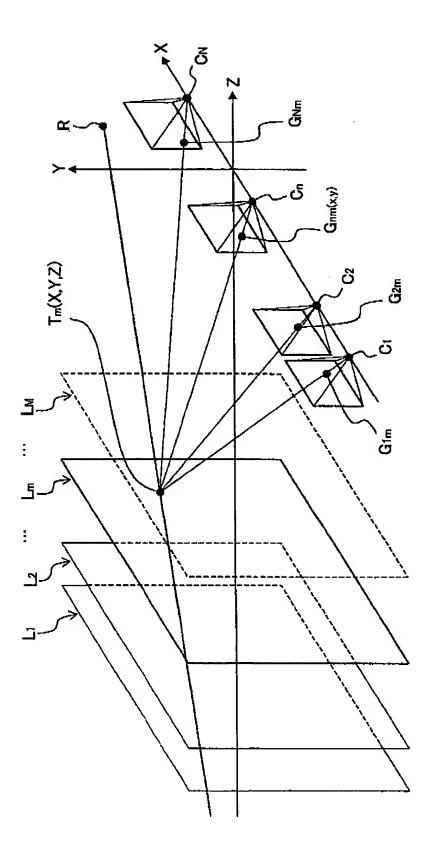


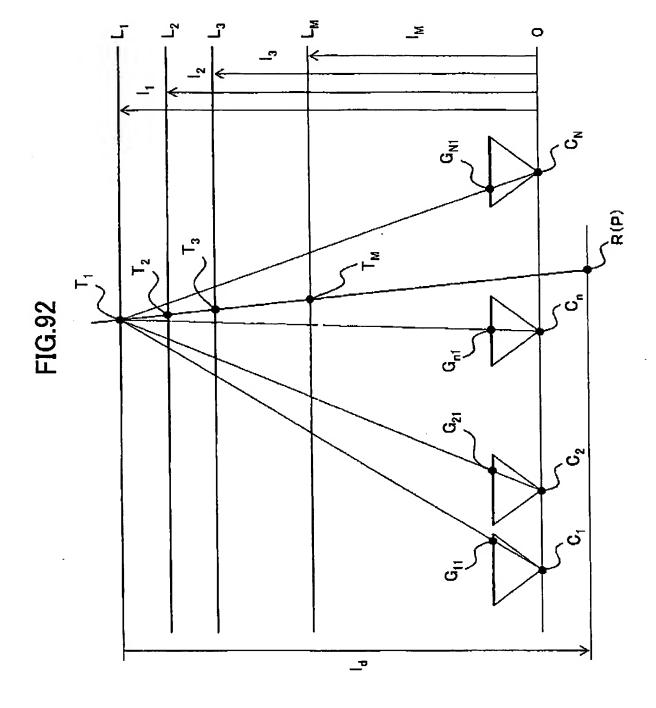
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FIG.90



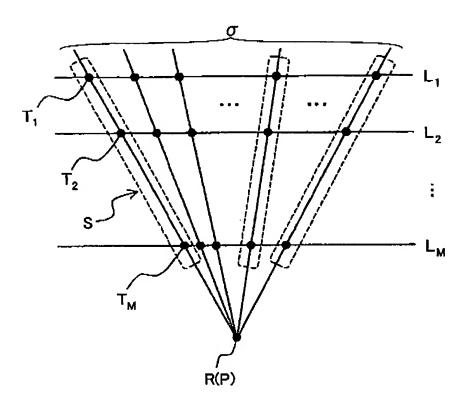
2005年12月16日 23時01分 ITOH INTERNATIONAL PATENT OFFICE Oblon, Spivak, et al. 703-413-3000 Docket # 283622US90PCT Sheet 89 of 102





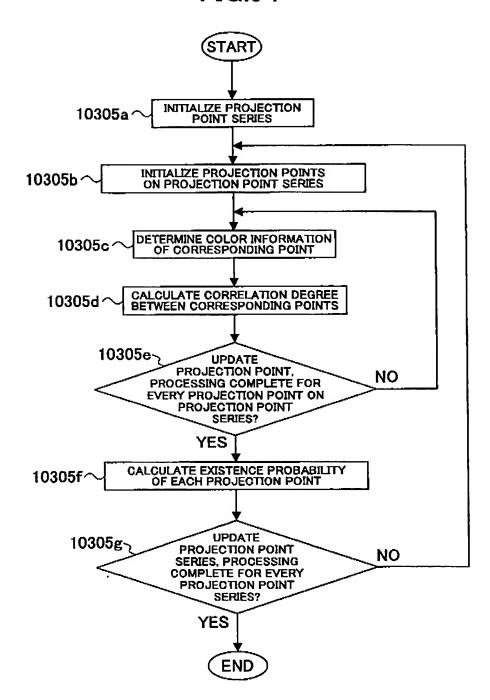
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FIG.93



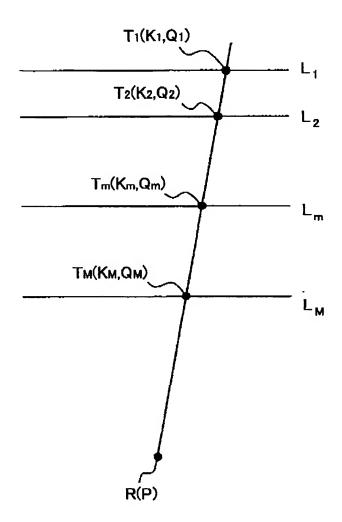
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FIG.94



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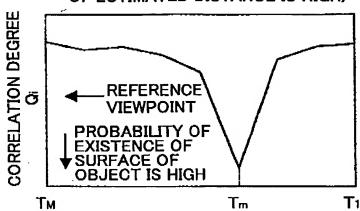
FIG.95



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FIG.96A

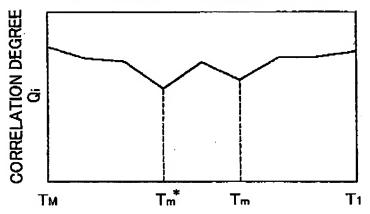




PROJECTION POINTS OVERLAPPING WHEN VIEWED FROM REFERENCE VIEWPOINT TJ

FIG.96B

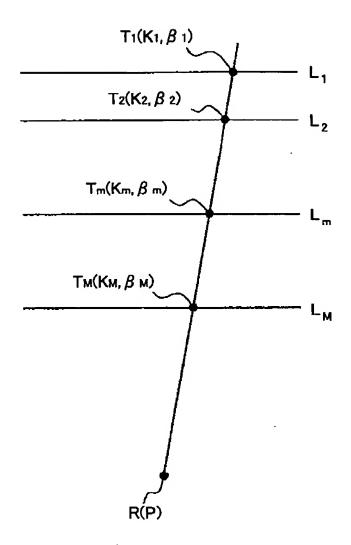
(EXAMPLE IN WHICH RELIABILITY OF ESTIMATED DISTANCE IS LOW)



PROJECTION POINTS OVERLAPPING WHEN VIEWED FROM REFERENCE VIEWPOINT TJ

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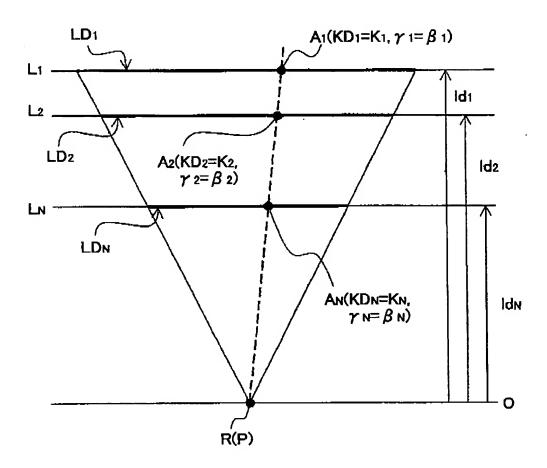
FIG.97



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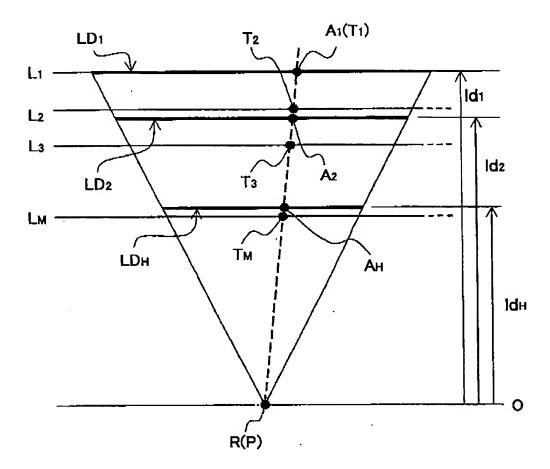
FIG.98

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FIG.99



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FIG.100A

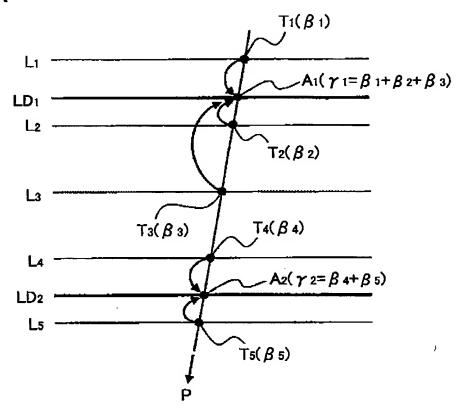
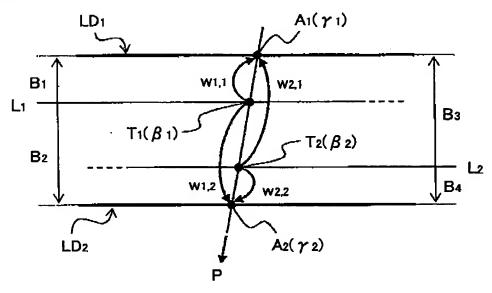
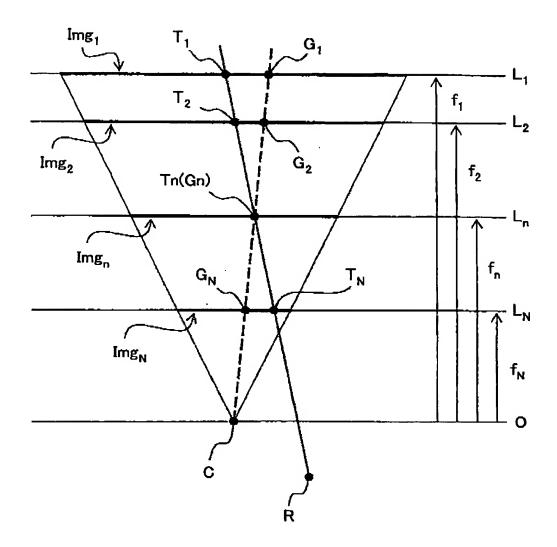


FIG.100B



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FIG.101

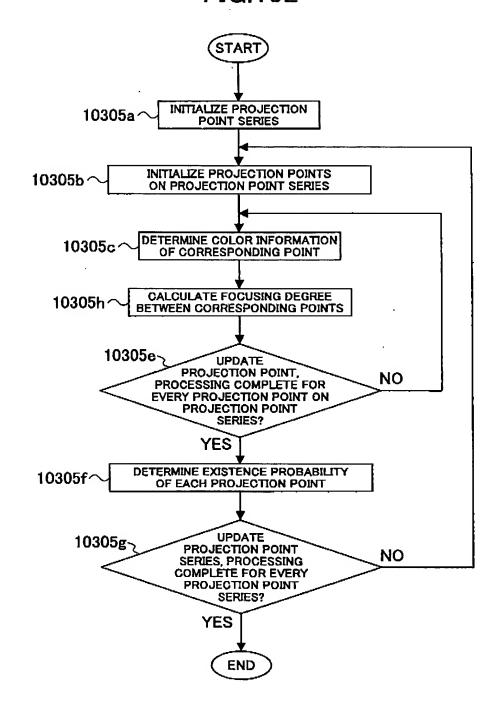


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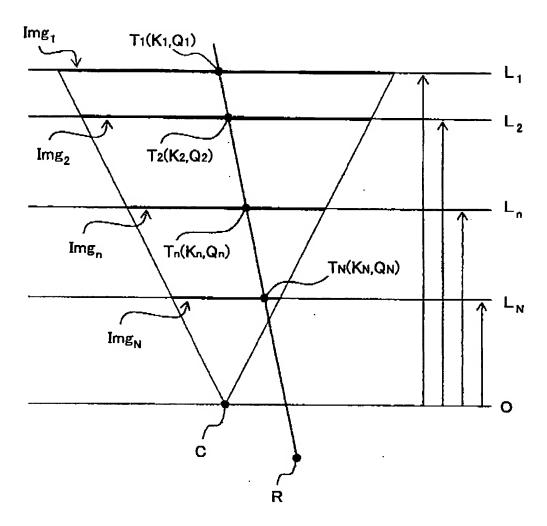
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FIG.102



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FIG.103



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FIG.104

